
 Type **SP3** body in forged steel

 Coding **M** magnetic piston

Size	F _H [N] Holding force	F _S [N] Clamping force at 4 bar ≈	a	b ₁	b ₂	d ₁	d ₂	d ₃	d ₄	Female thread-Ø for hose	h
70	1200	500	14	42	64	8,5	M 6	4,3	G 1/8	4	52
360	5600	3100	27,5	53	90	12	M 8	5,5	G 1/8	4	70
1100	16000	4100	28	67	133	16	M 10	8,5	G 1/4	6	88
2100	25000	6000	38,5	81	177	20	M 12	8,5	G 1/4	8	100

Size	l ₁	l ₂	l ₃	m ₁	m ₂	m ₃	m ₄	s ≈	t	W Stroke
70	172	78,5	20	26	13,5	26	–	8,5	12	12
360	260	113	32	33,5	30	36,5	–	9	16	21
1100	356	171	50	41	15	35	41	11,5	18	31
2100	460	222	62	50	35	50	50	13	22	45

Specification

Basic body in forged steel chemically blackened

Sheet metal parts in toughened steel C 10 German Material No. 1.0301 zinc plated, blue passivated

Plunger in steel St. 37 German Material No. 1.0037 zinc plated, blue passivated

Bearing pins case hardened

Bearing bushes case hardened

Double acting cylinder max. pressure 6 bar

Information

The working principle of the pneumatically operated plunger clamp GN 890 is identical in construction and dimensions to the manual plunger clamp GN 842. To ensure an extended life of the mechanical parts as well as air cylinder the operating pressure should not exceed 6 bar. In addition a lubro control unit should be fitted in the air line. The sturdy mounting frame for the cylinder has been designed to avoid the trunions of the cylinder to protrude over the frame.

Pneumatically operated plunger clamps GN 890 are also available as from size 360 as version M (magnetic piston). In conjunction with a proximity switch (GN 896.1 / GN 896.2) the position of the piston is sensed and the generated signal can be used in sequence control system. Further technical details on this are given on page 647.

Further information on pneumatically operated clamps

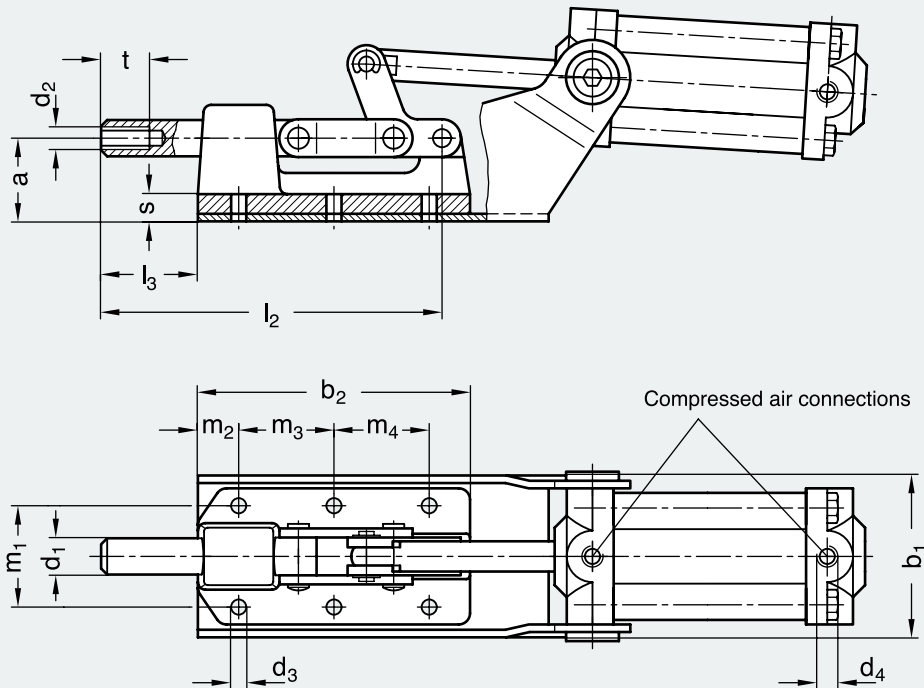
How to order

Pneum. operated clamp GN 890-1100-SP3

Code No.	Size	Type

Pneumatically operated clamp with cylinder for proximity switch GN 890-360-SP3-M

Code No.	Size	Type	Magnetic piston



2.4

